

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number
WO 2005/050981 A1

(51) International Patent Classification⁷: H04N 5/335,
5/32, H01L 27/146

KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo,
1468501 (JP). MOCHIZUKI, Chiori (JP/JP); c/o
CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko,
Ohta-ku, Tokyo, 1468501 (JP). WATANABE, Minoru
(JP/JP); c/o CANON KABUSHIKI KAISHA, 3-30-2, Shi-
momaruko, Ohta-ku, Tokyo, 1468501 (JP). NOMURA,
Keiichi (JP/JP); c/o CANON KABUSHIKI KAISHA,
3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP).

(21) International Application Number:
PCT/JP2004/017039

(74) Agents: OKABE, Masao et al.; No. 602, Fuji Bldg., 2-3,
Marunouchi 3-chome, Chiyoda-ku, Tokyo, 1000005 (JP).

(22) International Filing Date:
10 November 2004 (10.11.2004)

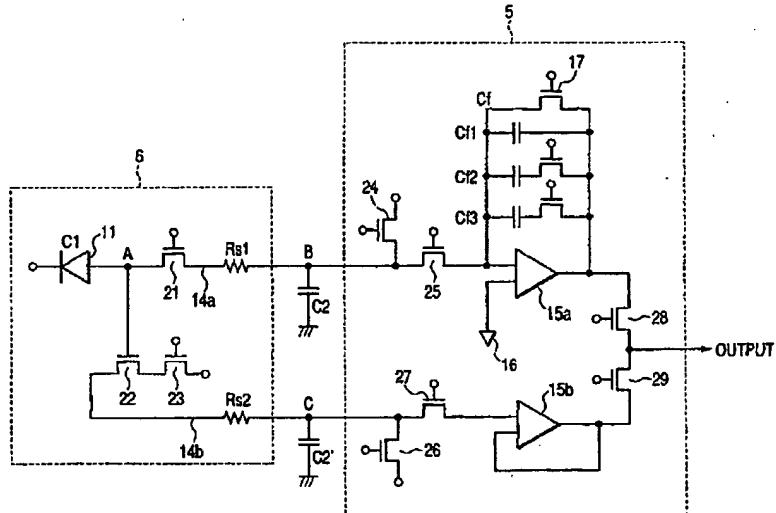
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
2003-392725 21 November 2003 (21.11.2003) JP
2004-207273 14 July 2004 (14.07.2004) JP

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: RADIATION IMAGE PICK-UP DEVICE AND METHOD THEREFOR, AND RADIATION IMAGE PICK-UP SYSTEM



(57) Abstract: Sensitivity is freely changeable to another one in correspondence to a photographing mode, and both still image photographing and moving image photographing for example which are largely different from each other in dosage of exposure to radiation and which are also different from each other in required sensitivity are carried out so as to meet that request. A source or drain electrode of a TFT 21 is connected to a signal output circuit 3 through a signal line 14a and an IC 5. A source/drain of a TFT 23 is connected to the signal output circuit 3 through a signal line 14b and the IC 5. Thus, in each pixel 6, any one of the signal lines 14a and 14b is freely selectable when a signal is read out.

WO 2005/050981 A1



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DB, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.